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1-800-Belden1



## General Description:

30 awg stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (95% coverage), FEP jacket

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	30	7x38	SPCCS - Silver Plated Copper Covered Steel	0.3048

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.5748

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	95.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

### Overall Cable

Overall Nominal Diameter: 2.540 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 14.882 Kg/Km

Max. Recommended Pulling Tension: 84.516 N

Min. Bend Radius/Minor Axis: 25.400 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

Military Specification: MIL-DTL-17, M17/94-RG179

RG Type: 179/U

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Inductance:**

Inductance (µH/m)
0.3281

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
63.9795

**Nominal Velocity of Propagation:**

VP (%)
69.5

**Nominal Delay:**

Delay (ns/m)
4.5934

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
800.564

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
27.8885

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	9.843
10	17.3893
50	27.8885
100	32.81
200	41.0125
400	52.496
700	64.6357
900	73.1663
1000	78.744

**Max. Power Rating:**

Freq. (MHz)	Rating (W)
50.000	1250.000
100.000	865.000
200.000	599.000
400.000	415.000
700.000	308.000
900.000	270.000
1000.000	255.000

**Max. Operating Voltage - Non-UL:**

Voltage
900 V RMS (MIL-SPEC)

## Notes (Overall)

**Notes:** Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83264 001100	100 FT	1.100 LB	BROWN	E	30 COAX M17/94-RG179
83264 0011000	1,000 FT	11.000 LB	BROWN	C E	#30 COAX M17/94-RG179
83264 001500	500 FT	6.000 LB	BROWN	E	#30 COAX M17/94-RG179

**Notes:**

C = CRATE REEL PUT-UP.

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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